

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Docket No.: 05-720-US1

In re Application of: ) Examiner: RAO, SHRINIVAS H.  
Kouvetakis *et al.* )  
)  
Application No. 10/559,979 ) Art Unit: 2814  
)  
Filed: December 8, 2005 ) Confirmation No.: 6573  
)  
For: )  
Si<sub>x</sub>Sn<sub>y</sub>Ge<sub>1-x-y</sub> and Related Alloy Heterostructures )  
Based on Si, Ge, and Sn )  
)

MAIL STOP: AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO THE FINAL OFFICE ACTION MAILED MARCH 6, 2007**

Dear Sir:

Responsive to the Final Office Action mailed March 6, 2007, the Applicants respectfully requests the Examiner to reconsider the above-identified patent application in view of the following amendments and remarks.

AMENDMENTS TO THE CLAIMS begin on Page 2.

REMARKS begin on Page 5.